AUTODOC CLUB

How to change front lower arm on **Mitsubishi Colt Z30** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MITSUBISHI COLT VI (Z3_A, Z2_A) 1.3, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.3 4WD, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.5 4WD, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.5 Ralliart R, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.5, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.1, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.5 DI-D, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.5 CZT, MITSUBISHI COLT CZC Convertible (RG) 1.5 (Z23), MITSUBISHI COLT CZC Convertible (RG) 1.5 Turbo (Z23), MITSUBISHI COLT VI (Z3_A, Z2_A) 1.5 Turbo, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.1 LPG, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.3 LPG, MITSUBISHI COLT VI (Z3_A, Z2_A) 1.3 Flexfuel

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – MITSUBISHI COLT Z30. TOOLS YOU MIGHT NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #18
- Combination spanner #21
- Drive socket # 13
- Drive socket # 19
- Drive socket # 21
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Crow bar
- Rubber mallet
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

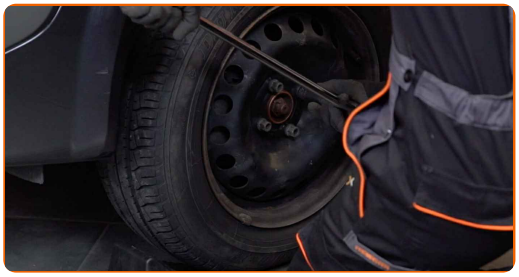
Replacement: front lower arm – Mitsubishi Colt Z30. Tip from AUTODOC:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Mitsubishi Colt Z30 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.

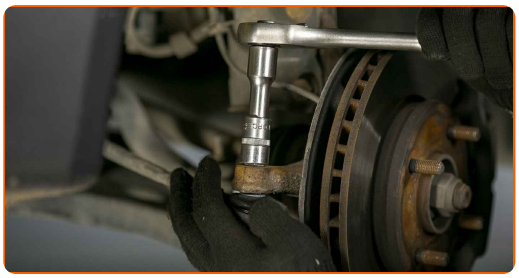
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mitsubishi Colt Z30

5 Remove the wheel.

6 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

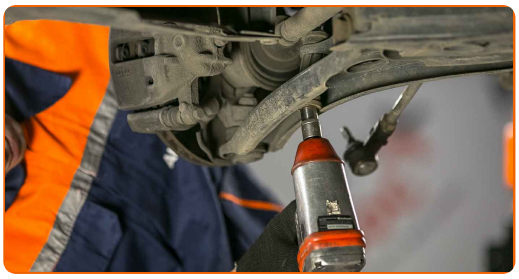
7 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



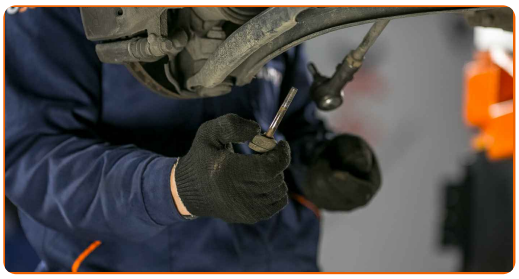
8 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

9 Clean all joints of the stabiliser link. Use a wire brush. Use WD-40 spray.

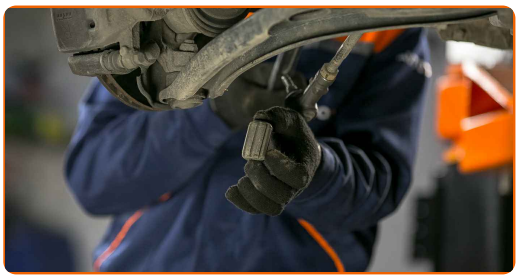
10 Unscrew the stabilizer rod fasteners. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



11 Remove the fastening bolt.

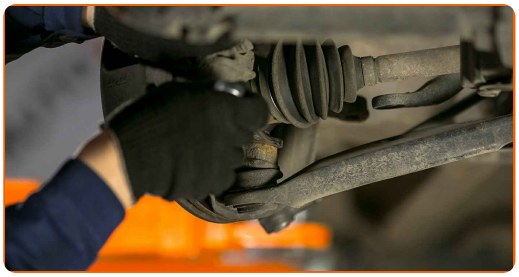


12 Remove the stabilizer rod.

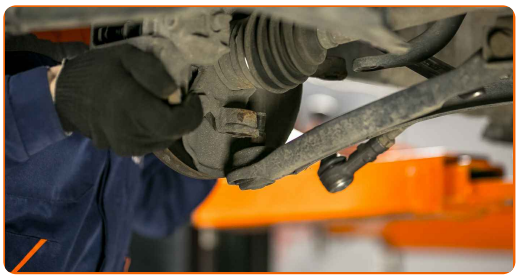


13 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

14 Unscrew the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #18.



15 Disconnect the lower arm from the steering knuckle. Use a ball joint puller. Use a crowbar.

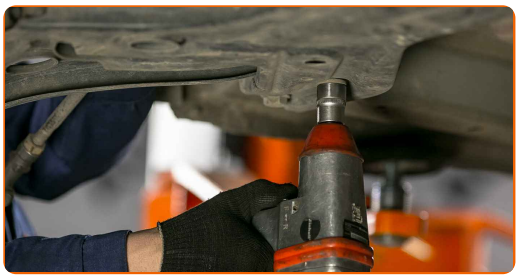


16 Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.

17 Unscrew the front arm fastener. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.

18 Remove the front fastener of the control arm.

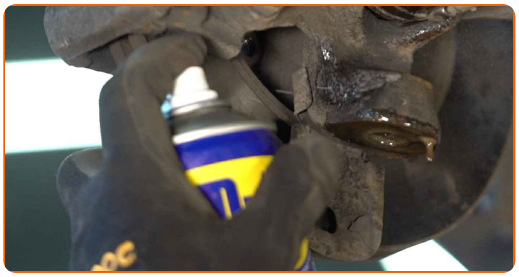
19 Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



20 Remove the rear fastener of the control arm.

21 Remove the arm. Use a crowbar.

22 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



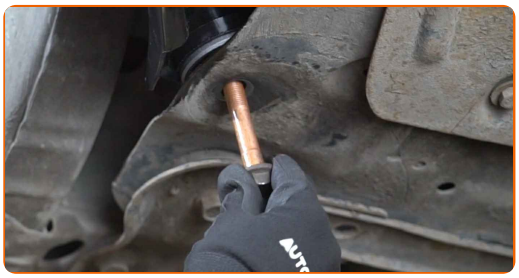
23 Install a new arm. Use a rubber mallet.

AUTODOC recommends:

- Replacement: front lower arm – Mitsubishi Colt Z30. Use only new bolts and nuts for installation.
- Do not damage the ball joint cover.

24 Treat the fastening bolts. Use WD-40 spray.

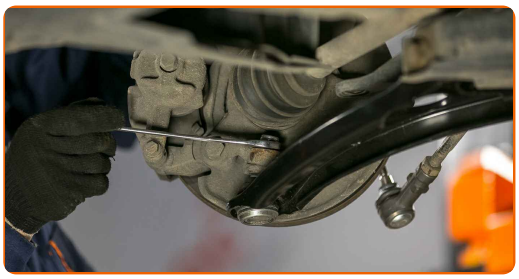
25 Install the rear fastener of the control arm.



26 Install the front fastener of the arm.

27 Connect the ball joint to the steering knuckle.

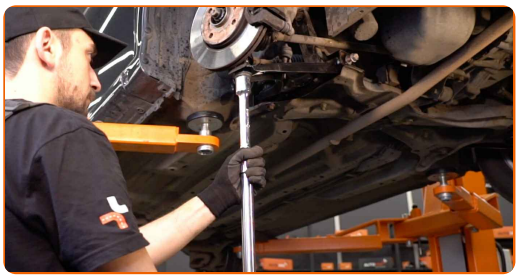
28 Tighten the ball joint fastener. Use a combination spanner #18. Use a torque wrench. Tighten it to 55 Nm torque.



29 Tighten the front fastener connecting the control arm to the subframe. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 145 Nm torque.

30 Screw the rear arm fastener. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.

31 Support the arm. Use a hydraulic transmission jack.



32 Tighten the rear fastener of the control arm. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 145 Nm torque.

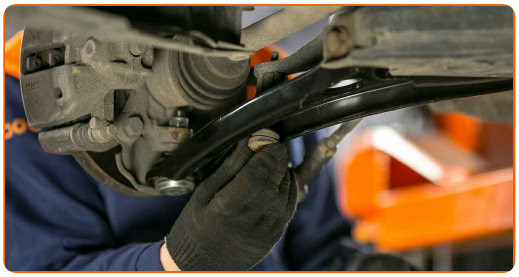
33 Remove the support from under the arm.

AUTODOC recommends:

- Replacement: front lower arm – Mitsubishi Colt Z30. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

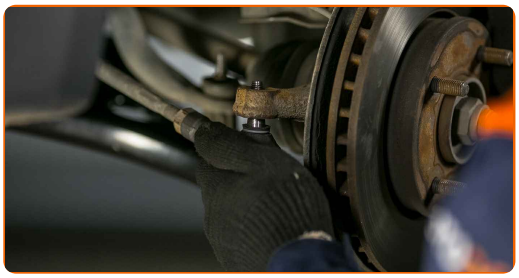
34 Install the transverse stabilizer link. Use a crowbar.

35 Install the fastening bolt.

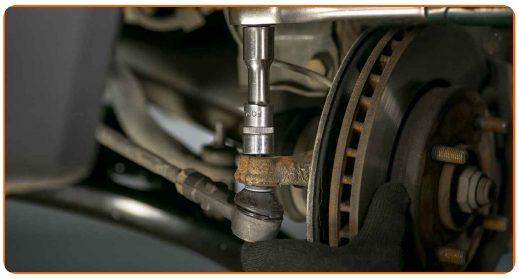


36 Tighten the stabiliser link fastener. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 25 Nm torque.

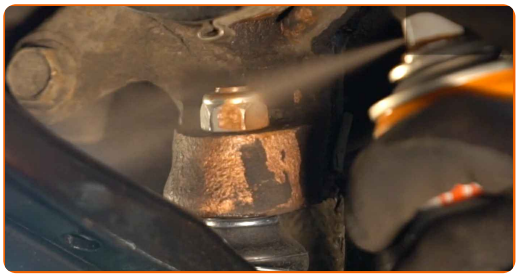
37 Connect the tie rod end to the steering knuckle.



38 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 31 nm torque.



39 Treat all joints of the arm. Treat all joints of the stabiliser link. Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



40 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

41 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

42 Install the wheel.

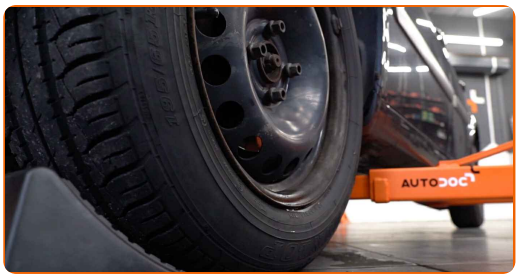
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mitsubishi Colt Z30

43 Screw in the wheel bolts. Use wheel impact socket #19.

44 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 118 nm torque.

45 Remove the jacks and chocks.



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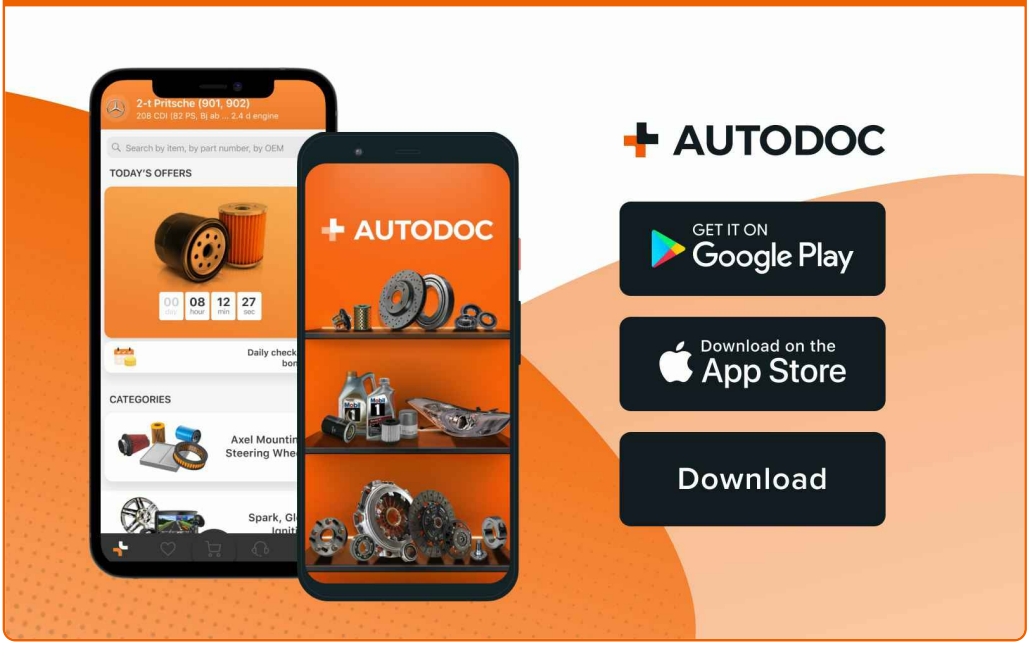

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